

PATENT ABSTRACTS OF JAPAN

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(21)Application number : **10-122695** (71)Applicant : **TECHNO POLYMER KK**

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(54) RUBBER-MODIFIED THERMOPLASTIC RESIN

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a rubber-modified thermoplastic resin with excellent impact resistance, weatherability, appearance after molded, chemical resistance, scratch resistance and slidability.

SOLUTION: This rubber-modified thermoplastic resin with a graft percentage of 10-100% and the intrinsic viscosity $[\eta]$ of methyl ethyl ketone solubles of 0.2-0.8 dL/g, is obtained by graft polymerization of at least one monomer component selected from the group consisting of aromatic vinyl compounds, vinyl cyanide compounds and other vinyl monomers copolymerizable therewith in the presence of (A) a rubbery polymer $\geq 0^\circ\text{C}$ in melting point T_m composed of ethylene, a 3-20C α -olefin and a non-conjugated diene in the weight ratio of (5-95):(95-5):(0-30) and (B) a 2nd rubbery polymer $< 70^\circ\text{C}$ in melting point T_m or with no T_m in the weight ratio A/B of (10-90):(90-10).

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